



304185

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 4349-89

PERMIT NO.: 1989-EN-4349

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

DATE ISSUED: November 16, 1989

PREPARED BY: Christopher Rubak, Environmental Management Dept.

SUBJECT: WASTE MANAGEMENT OF ILLINOIS, INC. LANDFILL -- Leachate Disposal -- (City
of Kankakee Waste Treatment Plant)

PERMITTEE TO CONSTRUCT

Waste Management of Illinois, Inc.
Kankakee Landfill
Route 1 Box 372
Chebanse, Illinois 60922Permit is hereby granted to the above designated permittee to construct water
pollution control facilities described as follows:Addition of gas condensate and gas condensate combined with leachate from Kankakee
Landfill to be mixed with leachate only and hauled to Kankakee Waste Treatment
Plant. Existing DAF of 25,000 GPD and 135,000 GPD DMF are unchanged.

The operation of this permit shall be governed by the City of Kankakee.

This Permit is issued subject to the following Special Condition(s). If such Special
Condition(s) require(s) additional or revised facilities, satisfactory engineering
plan documents must be submitted to this Agency for review and approval for issuance
of a Supplement Permit.SPECIAL CONDITION 1: Prior to the acceptance of gas condensate and gas condensate
with leachate, the Kankakee Metropolitan Wastewater Utility shall receive
authorization from the IEPA, Division of Land Pollution Control, in accordance with
35 IAC, Section 809, Solid Waste and Special Waste Hauling.THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED
WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:EK:jk/3890k,57

cc: EPA - Region 2

Christopher Rubak

John McDonnell

Kankakee Metropolitan Wastewater
Treatment Utility

Record

Binds

DIVISION OF WATER POLLUTION CONTROL

Thomas G. McSwiggin, P.E.
Manager, Permit Section

READ ALL CONDITIONS CAREFULLY:
STANDARD CONDITIONS

The Illinois Environmental Protection Act (Illinois Revised Statutes, Chapter 111-1/2, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

1. Unless the construction for which this permit is issued has been completed, this permit will expire (1) two years after the date of issuance for permits to construct sewers or wastewater sources or (2) three years after the date of issuance for permits to construct treatment works or pretreatment works.
2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentation of credentials:
 - a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit.
 - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit.
 - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit
 - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants
 - e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
 - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
 - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
 - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
 - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
 - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the Agency before the facility or equipment covered by this permit is placed into operation.
7. These standard conditions shall prevail unless modified by special conditions.
8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
 - a. upon discovery that the permit application contained misrepresentations, misinformation or false statements or that all relevant facts were not disclosed; or
 - b. upon finding that any standard or special conditions have been violated; or
 - c. upon any violation of the Environmental Protection Act or any Rule or Regulation effective thereunder as a result of the construction or development authorized by this permit

DWPC CROPA FACT SHEET AND MEMORANDUM

RECEIVED

OCT 04 89

DATE: October 3, 1989

TO: Terry Sweitzer DAPC
Larry Eastep DLPC
Don Sutton DPWS

IEPA-DAPC-SPELD

FROM: Ed Kane DWPC CONTACT PERSON

*logged out
10-4-89 ml.
to [unclear] APC
10/10/89 [unclear]*

SUBJECT: Candidate for Coordinated Permit Review
Waste Management of Illinois, Inc. Landfill - 138th Calumet Expressway
Name of Project Project Location or Site

Calumet City, IL

On 9/29/89, Christopher Rubak (called/submitted application) which indicated they would be a potential candidate for a coordinated permit review for this project. A basic description of the project is as follows:

>10,000 P.E., Contains Toxics..... Source of Waste = APC Device.....
Storage of Haz. or Toxic Wastes..... LPC Facility.....
Facility Treats Haz. or Toxic Wastes..... PWS Facility.....
Sludge Produced... other Permits may be required...

NOTE: PLEASE RESPOND BY 10/27/89.

COMMENTS: Applicant seeks construction permit to allow change in waste being hauled to Kankakee WWTP. Landfill gas condensate and gas condensate mixed with leachate are additional components which applicant wishes to include with leachate only, allowed in existing permit. No additional volume. Kankakee will govern operation

TO: Ed Kane DWPC

FROM: Pat Dennis DAPC CONTACT PERSON 5-1716 Tel #

*logged out
APC 10/10/89*

RECEIVED

(FOR DWPC USE ONLY — CHECK HERE IF NOT SUBJECT TO CROPA)

OCT 11 1989

Environmental Protection Agency
Division of Water Pollution Control
Permit Section - Springfield
State of Illinois

- (1) A permit Is Needed/Has Been Issued/Is Not Required
(2) Project is Significant/Not Significant

*logged out
10/11/89 ml*

Please attach specific language for any special conditions required.

BL:bv/sp/3118C/1
(Revised 12/86)

DWPC CROPA FACT SHEET AND MEMORANDUM

RECEIVED

DATE: October 3, 1989

TO: Terry Sweitzer DAPC
Larry Eastep DLPC
Don Sutton DPWS

OCT 6 1989 *logged out*
10-4-89 ml.
IEPA-DLPC

FROM: Ed Kane DWPC CONTACT PERSON

SUBJECT: Candidate for Coordinated Permit Review
Waste Management of Illinois, Inc. Landfill - 138th Calumet Express way Calumet City, IL
Name of Project Project Location or Site

On 9/29/89, Christopher Rubak (called/submitted application) which indicated they would be a potential candidate for a coordinated permit review for this project. A basic description of the project is as follows:

>10,000 P.E...., Contains Toxics...✓..... Source of Waste = APC Device.....
Storage of Haz. or Toxic Wastes..... LPC Facility.....
Facility Treats Haz. or Toxic Wastes..... PWS Facility.....
Sludge Produced... other Permits may be required...

NOTE: PLEASE RESPOND BY 10/27/89.

COMMENTS: Applicant seeks construction permit to allow change in waste being
hauled to Kankakee WWTP. Landfill gas condensate and gas condensate
mixed with leachate are additional components which applicant wishes to
include with leachate only, allowed in existing permit. No additional
volume. Kankakee will govern operation

TO: ED KANE DWPC

OK 11/6/89

FROM: ED BAKOWSKI DLPC CONTACT PERSON Kenn Smith Tel # 5-3394

RECEIVED

(FOR DWPC USE ONLY — CHECK HERE IF NOT SUBJECT TO CROPA)

- (1) A permit Is Needed/Has Been Issued/Is Not Required
(2) Project is Significant/Not Significant

logged on
11/6/89 ml

Environmental Protection Agency
Division of Water Pollution Control
Permit Section/Champaign
State of Illinois

Please attach specific language for any special conditions required.

BL:bv/sp/3118C/1
(Revised 12/86)



MEMORANDUM

DATE: October 31, 1989
TO: Ed Kane, DWPC
FROM: Kenn Smith, DLPC
SUBJECT: 091055023 -- Kankakee County
Kankakee Metropolitan Wastewater Utility
State Permit File

Acceptance of landfill gas condensate and gas condensate with
leachate from Kankakee Sanitary Landfill.

Special Condition:

Prior to the acceptance of gas condensate and gas condensate with
leachate, the Kankakee Metropolitan Wastewater Utility shall receive
authorization from the IEPA, Division of Land Pollution Control, in
accordance with 35 IAC, Section 809, Solid Waste and Special Waste Hauling.

KS:rd3773k/38

§

RECEIVED

NOV 6 1989

Environmental Protection Agency
Division of Water Pollution Control
Permit Section/Springfield
State of Illinois

RECEIVED

10-1-1989
TO: DEPT. OF WATER SUPPLIES
ENVIRONMENTAL PROTECTION AGENCY
STATE OF ILLINOIS
FROM:

DWPC CROPA FACT SHEET AND MEMORANDUM

October 3, 1989

logged out
10-4-89 ml.

Terry Sweitzer DAPC
Larry Eastep DLPC
Don Sutton DPWS

Ed Kane DWPC CONTACT PERSON

SUBJECT: Candidate for Coordinated Permit Review
Waste Management of Illinois, Inc. Landfill - 138th Calumet Expressway Calumet City, IL
Name of Project Project Location or Site

On 9/29/89, Christopher Rubak (called/submitted application) which indicated they would be a potential candidate for a coordinated permit review for this project. A basic description of the project is as follows:

>10,000 P.E...., Contains Toxics...✓..... Source of Waste = APC Device.....
Storage of Haz. or Toxic Wastes..... LPC Facility.....
Facility Treats Haz. or Toxic Wastes..... PWS Facility.....
Sludge Produced... other Permits may be required...

NOTE: PLEASE RESPOND BY 10/27/89.

COMMENTS: Applicant seeks construction permit to allow change in waste being hauled to Kankakee WWTP. Landfill gas condensate and gas condensate mixed with leachate are additional components which applicant wishes to include with leachate only, allowed in existing permit. No additional volume. Kankakee will govern operation

TO: Ed Kane DWPC

FROM: Don Sutton DPWS CONTACT PERSON 2-0078 Tel #

RECEIVED

(FOR DWPC USE ONLY — CHECK HERE IF NOT SUBJECT TO CROPA)

OCT 5 1989

Environmental Protection Agency
Division of Water Pollution Control
Permit Section
State of Illinois

BL:bv/sp/3118C/1
(Revised 12/86)

(1) A permit Is Needed/Has Been Issued/Is Not Required
(2) Project Is Significant/Not Significant

Please attach specific language for any special conditions required.

REQUEST FOR COMMENTS ON A PENDING PERMIT APPLICATION

Date: October 3, 1989

To: Ted Denning, Manager, DWPC/FOS 2 Region

From: Ed Kane, Industrial Unit, Permit Section/DWPC

Subject: Waste Management of Illinois, Inc. Landfill
P.O. Box 1306,
138th + Calumet Expressway
Calumet City, Illinois 60409
State Construction/Operating Permit Application

On September 29, 1989 the Permit Section received an application

from the above facility. A brief description of the project is as follows;

Applicant seeks construction permit to allow change in waste being hauled
to Kankakee WWTP. Landfill gas condensate and gas condensate mixed with leachate
are additional components which applicant wishes to include with the leachate
only, allowed in existing permit. No additional volume. Kankakee
will govern operation.

If you have any questions or concerns regarding the project, please contact me within 10 days at 217/782-1696.

TRK:rmi/1388g/81

cc: Permit Section

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1-2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

FOR IEPA USE: 4349-89
LOG NO.
DATE RECEIVED:
RECEIVED

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
PERMIT SECTION
Springfield, Illinois 62706

SEP 29 1989

APPLICATION FOR PERMIT OR CONSTRUCTION APPROVAL
WPC-PS-1
Environmental Protection Agency
WPC—Permit Log In

1. NAME AND LOCATION:

Name of project: Kankakee Sanitary Landfill Condensate & Leachate Disposal

Municipality or Township: Kankakee County: Kankakee

2. BRIEF DESCRIPTION OF PROJECT: Amend Permit #1986-EE-0306 to include disposal of gas condensate and gas condensate combined with leachate from Kankakee Landfill to Kankakee Metropolitan Wastewater Utility.

3. DOCUMENTS BEING SUBMITTED: If the project involves any of the items listed below, submit the corresponding schedule, and check the appropriate spaces.

PROJECT

Private Sewer Connection	A	Spray Irrigation	H
Public Sewer Extension	B	Septic Tanks	I
Sewer Extension Construct Only	C	Industrial Treatment or Pretreatment	J
Sewage Treatment Works	D		
Excess Flow Treatment	E	Cyanide Acceptance	L
Lift Station/Force Main	F	Updating Cyanide Acceptance Form	M
Sludge Disposal	G	Waste Characteristics	N <u>X</u>

LAND TRUST: Is the project identified in item number 1 herein, for which a permit is requested, to be constructed on land which is the subject of a trust? ☐ Yes ☒ No
If yes, item number 6.1.1 herein must be signed by a beneficiary, trustee or trust officer, and a trust disclosure must be submitted (see instructions, item 3d).

Plans: Title N/A

Number of Pages: _____

Specifications: Title _____ Number of Books/Pages: _____

Other Documents (Please Specify) N/A

4. THIS IS AN APPLICATION FOR (CHECK):

☒ A. Joint Construction And Operating Permit - Amend and renew permit #1986-EE-0306
☐ B. Authorization To Construct (See Instructions) NPDES Permit No. IL00 _____ Issue Date _____
☐ C. Construct Only Permit (Does Not Include Operations)
☐ D. Operate Only Permit (Does Not Include Construction)

5. CERTIFICATIONS AND APPROVAL:

5.1 Certificate by Design Engineer

I hereby certify that I am familiar with the information contained in this application, including the attached schedules indicated above, and that to the best of my knowledge and belief such information is true, complete and accurate. The plans and specifications (specifications other than Standard Specifications or local specifications on file with this Agency) as described above were prepared by me or under my direction.

ENGINEER John McDonnell 062-040-123 SEAL

FIRM: Waste Management of North America, Inc.

ADDRESS: 2 Westbrook Corp. Center, Suite 1000

Westchester, IL 60153 60154 PHONE NUMBER: 312-409-0700

SIGNATURE John J. McDonnell

6. CERTIFICATIONS AND APPROVALS FOR PERMITS:

6.1 Certificate by Applicant(s)

I/We hereby certify that I/we have read and thoroughly understand the conditions and requirements of this Application, and am/are authorized to sign this application in accordance with the Rules and Regulations of the Illinois Pollution Control Board.
I/We hereby agree to conform with the Standard Conditions and with any other Special Conditions made part of this Permit.

6.1.1 NAME OF APPLICANT FOR PERMIT OR AUTHORIZATION TO CONSTRUCT Kankakee Landfill

Rt. 1, Box 372 Chebanse IL 60922

STREET CITY STATE ZIP CODE

SIGNATURE Willie (Don Price)

TITLE Vice President ORGANIZATION Waste Management of Illinois, Inc.

6.1.2 NAME OF APPLICANT FOR PERMIT TO OWN AND OPERATE Waste Management of Illinois, Inc.2 Westbrook Corp. Ctr. WestchesterIL60153

STREET

CITY

STATE

ZIP CODE

SIGNATURE WillieDon Price

TITLE

Vice President

6.2 Attended (Units of Government)

N/A

DATE

SIGNATURE

TITLE

(CITY CLERK, VILLAGE CLERK, SANITARY
DISTRICT CLERK, ETC.)

6.3 Applications from non-governmental applicants which are not signed by the owner, must be signed by a principal executive officer of at least the level of vice president, or his duly authorized representative.

6.4 CERTIFICATE BY INTERMEDIATE SEWER OWNER

I hereby certify that (Please check one):

X

1. The sewers to which this project will be tributary have adequate reserve capacity to transport the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or

2. The Illinois Pollution Control Board, in PCB dated granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

Name and location of sewer system to which this project will be tributary:

Kankakee Metropolitan Wastewater Treatment UtilitySEWER SYSTEM OWNER Kankakee Metropolity Wastewater Treatment Utility1600 W. BrookmontKankakeeIL60901

STREET

CITY

STATE

ZIP CODE

SIGNATURE X Richard Summs

DATE

8-15-89

TITLE

Superintendent

6.4.1 ADDITIONAL CERTIFICATE BY INTERMEDIATE SEWER OWNER

I hereby certify that (Please check one):

N/A

1. The sewers to which this project will be tributary have adequate reserve capacity to transport the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or

2. The Illinois Pollution Control Board, in PCB dated granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

Name and location of sewer system to which this project will be tributary:

SEWER SYSTEM OWNER N/A

STREET

CITY

STATE

ZIP CODE

SIGNATURE

DATE

TITLE

6.5 CERTIFICATE BY WASTE TREATMENT WORKS OWNER

I hereby certify that (Please check one):

X

1. The waste treatment plant to which this project will be tributary has adequate reserve capacity to treat the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or

2. The Illinois Pollution Control Board, in PCB dated granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

I also certify that the industrial waste discharges described in the application is capable of being treated by the treatment works, and such waste discharges will be in compliance with all currently applicable local, state or federal pretreatment requirements.

Name and location of waste treatment works to which this project will be tributary:

Kankakee Metropolitan Wastewater Treatment UtilityTREATMENT WORKS OWNER Kankakee Metropolitan Wastewater Treatment Utility1600 W. BrookmontKankakeeIL60901

STREET

CITY

STATE

ZIP CODE

SIGNATURE X Richard Summs

DATE

8-15-89

TITLE

Superintendent

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

4349-89
RECEIVED

SEP 29 1989

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
PERMIT SECTION
Springfield, Illinois 62706

Environmental Protection Agency
WPC — Permit Log In

SCHEDULE N WASTE CHARACTERISTICS

- Name of Project Kankakee Sanitary Landfill Condensate & Leachate Disposal
- FLOW DATA (condensate/leachate combo) EXISTING PROPOSED-DESIGN

2.1 Average Flow (gpd) 5,000 25,000

2.2 Maximum Daily Flow (gpd) 25,000 135,000

2.3 TEMPERATURE

Time of year	Ave. Intake Temp. F	Avg. Effluent Temp. F	Max. Intake Temp. F	Max. Effluent Temp. F	Max. Temp. Outside Mixing Zone F
SUMMER	<u>60</u>	<u>72</u>	<u>65</u>	<u>80</u>	<u>N/A</u>
WINTER	<u>35</u>	<u>50</u>	<u>45</u>	<u>65</u>	<u>N/A</u>

2.4 Minimum 7-day, 10-year flow: N/A cfs MGD.

2.5 Dilution Ratio: N/A ;

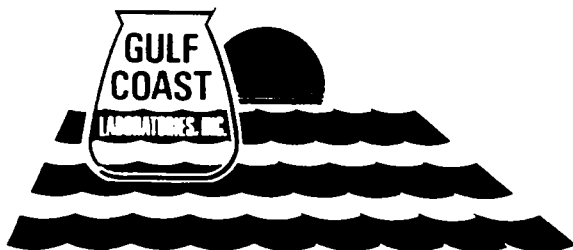
2.6 Stream flow rate at time of sampling N/A cfs MGD.
- CHEMICAL CONSTITUENT Existing Permitted Conditions ; Existing conditions ; Proposed Permitted Conditions X

Type of sample: grab (time of collection); X composite (Number of samples per day)

(see instructions for analyses required) 6/30/89

Constituent	RAW WASTE (mg/l)	TREATED EFFLUENT Avg. (mg/l) Max.	UPSTREAM DOWNSTREAM SAMPLES (mg/l) (mg/l)
Ammonia Nitrogen (asN)	Not Applicable	990	Not Applicable
Arsenic (total)		0.021	
Barium		0.78	
Boron		100	
BOD ₅		610	
Cadmium		0.016	
Carbon Chloroform Extract		—	
Chloride		140	
Chromium (total hexavalent)		< 0.040	
Chromium (total trivalent)		< 0.040	
Copper		0.11	
Cyanide (total)		< 0.020	
Cyanide (readily released @150°F & pH 4.5)		< 0.010	
Dissolved Oxygen		< 2.0	
Fecal Coliform	Y	5400	Y

	RAW WASTE (mg/l)	TREATED EFFLUENT Avg. (mg/l) Max.	UPSTREAM (mg/l)	DOWNSIDE SAMPLES (mg/l)
Fluoride	not applicable	1.9	not applicable	not applicable
Hardness (as Ca CO ₃)		1110		
Iron (total)		83.1		
Lead		0.24		
Manganese		2.1		
MBAS		—		
Mercury		< 0.0005		
Nickel		0.75		
Nitrates (as N)		< 0.050		
Oil & Grease (hexane solubles or equivalents)		37		
Organic Nitrogen (as N)		18.1		
pH		7.0		
Phenols		3.0		
Phosphorous (as P)		4.0		
Radioactivity		See Attached		
Selenium		< 0.008		
Silver		< 0.030		
Sulfate		1970		
Suspended Solids		—		
Total Dissolved Solids		11000		
Zinc		2.2		
Others	✓		✓	✓
volatile organic compounds				
see attached				



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

The following is a list of flags that Gulf Coast Laboratories frequently uses on our analytical reports. All flags may not be applicable for the enclosed reports.

- A - Indicates a condensation product
- B - Indicates the compound was found in the blank as well as the sample.
- C - Pesticide compound confirmed by GC/MS
- d - Result is on a dry weight basis
- D - Indicates the compound was identified in an analysis at a secondary dilution factor. If a sample is re-analyzed at a higher dilution, the "DL" suffix is appended to sample numbers.
- e - Concentrations exceed calibration range of the instrument for that specific analysis.
- E - Severe matrix interference
- J - Indicates an estimated value which is below detection limit
- P - Peaks present but do not appear to be PCBs
- R - Spike recovery not within control limit
- S - Indicates value determined by Method of Standard Addition
- U - Indicates compound was analyzed for but not detected
- W - Result is on an "as is basis" (wet weight)
- X - Result by calculation.
- BDL - Below Detection Limit
- NA - Not Applicable
- NR - Not Required
- * - Duplicate not within control limits
- + - Correlation coefficient for MSA < 0.995
- @ - Due to matrix interference, post analytical spike is out of control limits.



WESTON-GULF AST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: Waste Management
Kankakee Landfill
1300 Willow road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: June 30, 1989

Re: Gas Condens. Leach
Project # 3306-01-05-0005
Lab ID: 8906G843-002
Sample Date: 06/02/89
Date Recieved: 06/02/89

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
Gross Alpha	85 +/- 46	pCi/l	18
Gross Beta	774 +/- 76	pCi/l	16



WESTON-GULF CHEMICAL LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Date: Friday June 30th, 1989

Attn: Mr. Bob Lewis

RE: Gas Condens. Leach.
Project # 3306-01-05-0005
Lab ID: 8906G843-002
Sample Date: 06/02/89
Date Received: 06/02/89
Units: UG/L

VOLATILES BY GC/MS, PRIORITY POLLUTANT LIST

Volatile Compound	Result	Detection Limit	Flag
Chloromethane	BDL	10	U
Bromomethane	BDL	10	U
Vinyl Chloride	15	10	
Chloroethane	BDL	10	U
Methylene Chloride	21	5	
Acetone	E	10	
1,1-Dichloroethene	BDL	5	U
1,1-Dichloroethane	BDL	5	U
1,2-Dichloroethene (total)	82	5	
Chloroform	BDL	5	U
1,2-Dichloroethane	BDL	5	U
1,1,1-Trichloroethane	BDL	5	U
Carbon Tetrachloride	BDL	5	U
Bromodichloromethane	BDL	5	U
1,2-Dichloropropane	3	5	J
cis-1,3-Dichloropropene	BDL	5	U
Trichloroethene	13	5	



WESTON-GULF ANALYTICAL LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (312) 385-1077 (312) 511-7517

ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

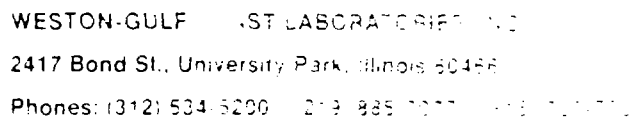
Date: Friday June 30th, 1989

Attn: Mr. Bob Lewis

RE: Gas Condens. Leach.
Project # 3306-01-05-0005
Lab ID: 8906G843-002
Sample Date: 06/02/89
Date Received: 06/02/89
Units: UG/L

VOLATILES BY GC/MS, PRIORITY POLLUTANT LIST

Volatile Compound	Result	Detection Limit	Flag
Dibromochloromethane	BDL	5	U
1,1,2-Trichloroethane	BDL	5	U
Benzene	BDL	5	U
Trans-1,3-Dichloropropene	BDL	5	U
Bromoform	BDL	5	U
Tetrachloroethene	3	5	J
1,1,2,2-Tetrachloroethane	BDL	5	U
Toluene	220	5	
Chlorobenzene	BDL	5	U
Ethylbenzene	76	5	
Xylene (total)	200	5	
Acrolein	BDL	500	U
Acrylonitrile	BDL	100	U
Dichlorodifluoromethane	BDL	20	U
Trichlorofluoromethane	BDL	10	U
Bis(chloromethyl)ether	BDL	20	U
2-Chloroethylvinylether	BDL	10	U



RE: Gas Condens. Leach.
Project # 3306-01-05-0005
Lab ID: 8906G843-002
Sample Date: 06/02/89
Date Received: 06/02/89
Units: UG/L

[illegible]



WESTON-GULF ST LABORATORY
2417 Bond St. University Park, Illinois 60466
Phones: (312) 604-6200 (312) 604-6201

ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

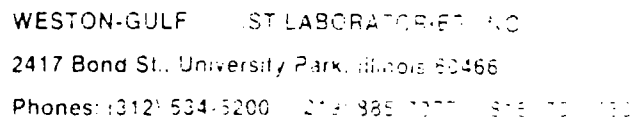
Date: Friday June 30th, 1989

RE: Gas Condens. Leach.
Project # 3306-01-05-0005
Lab ID: 8906G843-002
Sample Date: 06/02/89
Date Received: 06/02/89
Units: UG/L

Tentatively Identified Compounds

8 Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

Volatile Compound	Retention Time	Estimated Concentration
Tetrahydrofuran	10.73	100 J
2-Butanone	12.66	1000 J
2-Butanol	13.43	200 J
2-Pentanone	17.53	200 J
4-Methyl-2-Pentanone	20.85	500 J
Unknown	21.74	200 J
Unknown	30.49	200 J
Unknown	33.51	100 J



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Sample Date: 06/02/89
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Units: UG/L

VOLATILES BY GC/MS, PRIORITY POLLUTANT LIST[illegible]



WESTON-GULF ST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 9th, 1989

RE: Gas Condens. Leach.
Project # 3306-01-05-0005
Lab ID: 8906G843-002
Sample Date: 06/02/89
Date Received: 06/02/89
Units: UG/L

SEMIVOLATILES BY GC/MS, PRIORITY POLLUTANT LIST

Semivolatile Compound	Result	Detection Limit	Flag
Phenol	63	100	J
bis(2-Chloroethyl)ether	BDL	100	U
2-Chlorophenol	BDL	100	U
1,3-Dichlorobenzene	BDL	100	U
1,4-Dichlorobenzene	BDL	100	U
1,2-Dichlorobenzene	BDL	100	U
bis(2-Chloroisopropyl)ether	BDL	100	U
N-Nitroso-Di-n-propylamine	BDL	100	U
Hexachloroethane	BDL	100	U
Nitrobenzene	BDL	100	U
Isophorone	84	100	J
2-Nitrophenol	BDL	100	U
2,4-Dimethylphenol	BDL	100	U
bis(2-Chloroethoxy)methane	BDL	100	U
2,4-Dichlorophenol	BDL	100	U
1,2,4-Trichlorobenzene	BDL	100	U
Naphthalene	19	100	J



WESTON-GULF EAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
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ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Date: Friday June 9th, 1989

Attn: Mr. Bob Lewis

RE: Gas Condens. Leach.
Project # 3306-01-05-0005
Lab ID: 8906G843-002
Sample Date: 06/02/89
Date Received: 06/02/89
Units: UG/L

SEMIVOLATILES BY GC/MS, PRIORITY POLLUTANT LIST

Semivolatile Compound	Result	Detection Limit	Flag
Hexachlorobutadiene	BDL	100	U
4-Chloro-3-methylphenol	BDL	100	U
Hexachlorocyclopentadiene	BDL	100	U
2,4,6-Trichlorophenol	BDL	100	U
2-Chloronaphthalene	BDL	100	U
Dimethylphthalate	BDL	100	U
Acenaphthylene	BDL	100	U
2,6-Dinitrotoluene	BDL	100	U
Acenaphthene	BDL	100	U
2,4-Dinitrophenol	BDL	500	U
4-Nitrophenol	BDL	500	U
2,4-Dinitrotoluene	BDL	100	U
Diethylphthalate	BDL	100	U
4-Chlorophenyl-phenylether	BDL	100	U
Fluorene	BDL	100	U
4,6-Dinitro-2-methylphenol	BDL	500	U
N-Nitrosodiphenylamine (1)	BDL	100	U



WESTON-G. COAST LABORATORIES, INC.
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To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 9th, 1989

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SEMIVOLATILES BY GC/MS, PRIORITY POLLUTANT LIST

Semivolatile Compound	Result	Detection Limit	Flag
4-Bromophenyl-phenylether	BDL	100	U
Hexachlorobenzene	BDL	100	U
Pentachlorophenol	BDL	500	U
Phenanthrene	BDL	100	U
Anthracene	BDL	100	U
Di-n-Butylphthalate	BDL	100	U
Fluoranthene	BDL	100	U
Pyrene	BDL	100	U
Butylbenzylphthalate	BDL	100	U
3,3'-Dichlorobenzidine	BDL	200	U
Benzo(a)anthracene	BDL	100	U
Chrysene	BDL	100	U
bis(2-Ethylhexyl)phthalate	59	100	JB
Di-n-Octyl phthalate	BDL	100	U
Benzo(b)fluoranthene	BDL	100	U
Benzo(k)fluoranthene	BDL	100	U
Benzo(a)pyrene	BDL	100	U



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SEMIVOLATILES BY GC/MS, PRIORITY POLLUTANT LIST

Semivolatile Compound	Result	Detection Limit	Flag
Indeno(1,2,3-cd)pyrene	BDL	100	U
Dibenzo(a,h)anthracene	BDL	100	U
Benzo(g,h,i)perylene	BDL	100	U
1,2-Diphenylhydrazine	BDL	100	U
N-Nitrosodimethylamine	BDL	100	U
Benzidine	BDL	1000	U



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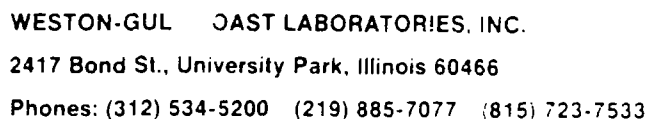
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Tentatively Identified Compounds

20 Semivolatile Compounds greater than 10% of the nearest
internal standard were tentatively identified by mass
spectral library search. This is exclusive of any target
compounds, surrogates or internal standards.

Semivolatile Compound	Retention Time	Estimated Concentration
Unknown	4.39	400 J
Unknown	4.71	1000 J
UNKNOWN ACID	6.42	2000 J
Unknown	9.21	2000 J
Unknown	11.56	900 J
UNKNOWN ACID	11.84	8000 J
Unknown	12.15	300 J
Unknown	12.47	400 J
UNKNOWN C10H16O	14.31	500 J
UNKNOWN C10H18O	15.29	600 J



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ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Wednesday June 21st, 1989

RE: Gas Condens. Leach.
Project # 3306-01-05-0005
Lab ID: 8906G843-002
Sample Date: 06/02/89
Date Received: 06/02/89
Units: UG/L

PESTICIDE/PCBs BY GC, PRIORITY POLLUTANT LIST

Compound	Result	Detection Limit	Flag
Alpha-BHC	BDL	5.1	U
Beta-BHC	BDL	5.1	U
Delta-BHC	BDL	5.1	U
gamma-BHC (Lindane)	BDL	5.1	U
Heptachlor	BDL	5.1	U
Aldrin	BDL	5.1	U
Heptachlor epoxide	BDL	5.1	U
Endosulfan I	BDL	5.1	U
Dieldrin	BDL	10	U
4,4'-DDE	BDL	10	U
Endrin	BDL	10	U
Endosulfan II	BDL	10	U
4,4'-DDD	BDL	10	U
Endosulfan sulfate	BDL	10	U
4,4'-DDT	BDL	10	U
Methoxychlor	BDL	51	U
Endrin aldehyde	BDL	10	U



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PESTICIDE/PCBs BY GC, PRIORITY POLLUTANT LIST

Compound	Result	Detection Limit	Flag
alpha-Chlordane	BDL	51	U
gamma-Chlordane	BDL	51	U
Toxaphene	BDL	100	U
Aroclor-1016	BDL	51	U
Aroclor-1221	BDL	51	U
Aroclor-1232	BDL	51	U
Aroclor-1242	BDL	51	U
Aroclor-1248	BDL	51	U
Aroclor-1254	BDL	100	U
Aroclor-1260	BDL	100	U



Waste Management of North America, Inc.
Midwest Region
31 East Fulton Parkway
Chicago, Illinois 60610
312-774-1144

September 25, 1989

Mr. Tim Kluge, P.E.
Manager, Industrial Permits
Division of Water Pollution Control
Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, Illinois 62794-9276

4349-89
RECEIVED

SEP 29 1989

Environmental Protection Agency
WPC—Permit Log In

RE: Kankakee Sanitary Landfill
Landfill Gas Condensate/Leachate Disposal

Dear Mr. Kluge:

This letter and its attachments is an application for permit to discharge landfill gas condensate and landfill gas condensate mixed with leachate from the above referenced facility to the Kankakee Metropolitan Wastewater Utility. This application consists of the following:

1. This letter, 1 page.
2. WPC Form PS-1, Application for Permit or Construction Approval, 2 pages.
3. Schedule N Waste Characteristics, Condensate, 18 pages, including attachments.
4. Schedule N Waste Characteristics, Condensate/Leachate Combo, 18 pages, including attachments.

The original and two (2) copies of this application are enclosed.

If there are any questions regarding this application, please do not hesitate to contact me.

Sincerely,

WASTE MANAGEMENT OF NORTH AMERICA, INC.

Christopher G. Rubak, P.E.
Environmental Management Department
Midwest Region

cc: Tom Palzer, Kankakee Co. Reg. Plan. Comm. w/att
Clayton Pape, Co. Health Admin. w/att
Ray Nudi w/att
John McDonnell
Rich DeYoung